

SEQUENCE LISTING

<110> Barker, Nicholas P.
Podolsky, Daniel K.

<120> MODIFIED ASIALO-INTERFERONS AND USES
THEREOF

<130> 50206/013003

<150> US 60/431,148

<151> 2002-12-05

<150> US 60/408,361

<151> 2002-09-05

<160> 6

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 188

<212> PRT

<213> Homo sapiens

<400> 1

Met	Ala	Leu	Thr	Phe	Ala	Leu	Leu	Val	Ala	Leu	Leu	Val	Leu	Ser	Cys	1	5	10	15
Lys	Ser	Ser	Cys	Ser	Val	Gly	Cys	Asp	Leu	Pro	Gln	Thr	His	Ser	Leu	20	25	30	
Gly	Ser	Arg	Arg	Thr	Leu	Met	Leu	Ala	Gln	Met	Arg	Lys	Ile	Ser		35	40	45	
Leu	Phe	Ser	Cys	Leu	Lys	Asp	Arg	His	Asp	Phe	Gly	Phe	Pro	Gln	Glu	50	55	60	
Glu	Phe	Gly	Asn	Gln	Phe	Gln	Lys	Ala	Glu	Thr	Ile	Pro	Val	Leu	His	65	70	75	80
Glu	Met	Ile	Gln	Gln	Ile	Phe	Asn	Leu	Phe	Ser	Thr	Lys	Asp	Ser	Ser	85	90	95	
Ala	Ala	Trp	Asp	Glu	Thr	Leu	Leu	Asp	Lys	Phe	Tyr	Thr	Glu	Leu	Tyr	100	105	110	
Gln	Gln	Leu	Asn	Asp	Leu	Glu	Ala	Cys	Val	Ile	Gln	Gly	Val	Gly	Val	115	120	125	
Thr	Glu	Thr	Pro	Leu	Met	Lys	Glu	Asp	Ser	Ile	Leu	Ala	Val	Arg	Lys	130	135	140	
Tyr	Phe	Gln	Arg	Ile	Thr	Leu	Tyr	Leu	Lys	Glu	Lys	Lys	Tyr	Ser	Pro	145	150	155	160
Cys	Ala	Trp	Glu	Val	Val	Arg	Ala	Glu	Ile	Met	Arg	Ser	Phe	Ser	Leu	165	170	175	
Ser	Thr	Asn	Leu	Gln	Glu	Ser	Leu	Arg	Ser	Lys	Glu					180	185		

<210> 2

<211> 187

<212> PRT

<213> Homo sapiens

<400> 2
Met Thr Asn Lys Cys Leu Leu Gln Ile Ala Leu Leu Leu Cys Phe Ser
1 5 10 15
Thr Thr Ala Leu Ser Met Ser Tyr Asn Leu Leu Gly Phe Leu Gln Arg
20 25 30
Ser Ser Asn Phe Gln Cys Gln Lys Leu Leu Trp Gln Leu Asn Gly Arg
35 40 45
Leu Glu Tyr Cys Leu Lys Asp Arg Met Asn Phe Asp Ile Pro Glu Glu
50 55 60
Ile Lys Gln Leu Gln Gln Phe Gln Lys Glu Asp Ala Ala Leu Thr Ile
65 70 75 80
Tyr Glu Met Leu Gln Asn Ile Phe Ala Ile Phe Arg Gln Asp Ser Ser
85 90 95
Ser Thr Gly Trp Asn Glu Thr Ile Val Glu Asn Leu Leu Ala Asn Val
100 105 110
Tyr His Gln Ile Asn His Leu Lys Thr Val Leu Glu Glu Lys Leu Glu
115 120 125
Lys Glu Asp Phe Thr Arg Gly Lys Leu Met Ser Ser Leu His Leu Lys
130 135 140
Arg Tyr Tyr Gly Arg Ile Leu His Tyr Leu Lys Ala Lys Glu Tyr Ser
145 150 155 160
His Cys Ala Trp Thr Ile Val Arg Val Glu Ile Leu Arg Asn Phe Tyr
165 170 175
Phe Ile Asn Arg Leu Thr Gly Tyr Leu Arg Asn
180 185

<210> 3
<211> 166
<212> PRT
<213> Homo sapiens

<400> 3
Met Lys Tyr Thr Ser Tyr Ile Leu Ala Phe Gln Leu Cys Ile Val Leu
1 5 10 15
Gly Ser Leu Gly Cys Tyr Cys Gln Asp Pro Tyr Val Lys Glu Ala Glu
20 25 30
Asn Leu Lys Lys Tyr Phe Asn Ala Gly His Ser Asp Val Ala Asp Asn
35 40 45
Gly Thr Leu Phe Leu Gly Ile Leu Lys Asn Trp Lys Glu Glu Ser Asp
50 55 60
Arg Lys Ile Met Gln Ser Gln Ile Val Ser Phe Tyr Phe Lys Leu Phe
65 70 75 80
Lys Asn Phe Lys Asp Asp Gln Ser Ile Gln Lys Ser Val Glu Thr Ile
85 90 95
Lys Glu Asp Met Asn Val Lys Phe Phe Asn Ser Asn Lys Lys Lys Arg
100 105 110
Asp Asp Phe Glu Lys Leu Thr Asn Tyr Ser Val Thr Asp Leu Asn Val
115 120 125
Gln Arg Lys Ala Ile His Glu Leu Ile Gln Val Met Ala Glu Leu Ser
130 135 140
Pro Ala Ala Lys Thr Gly Lys Arg Lys Arg Ser Gln Met Leu Phe Arg
145 150 155 160
Gly Arg Arg Ala Ser Gln
165

<210> 4

<211> 1142
 <212> DNA
 <213> Homo sapiens

<400> 4
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 catctacaat ggccttgacc tttgctttac tgggtggccct cctgggtgctc agctgcaagt 120
 caagctgctc tgtgggctgt gatctgcctc aaaccacag cctgggtagc aggaggacct 180
 tgatgctcct ggcacagatg aggagaatct ctcttttctc ctgcttgaag gacagacatg 240
 actttggatt tccccaggag gagtttggca accagttcca aaaggctgaa accatccctg 300
 tcttccatga gatgatccag cagatcttca atctcttcag cacaaaggac tcatctgctg 360
 cttgggatga gacctccta gacaaattct aactgaact ctaccagcag ctgaatgacc 420
 tggaagcctg tgtgatacag ggggtggggg tgacagagac tcccctgatg aaggaggact 480
 ccattctggc tgtgaggaaa tacttccaaa gaatcactct ctatctgaaa gagaagaaat 540
 acagcccttg tgcctgggag gttgtcagag cagaaatcat gagatctttt tctttgtcaa 600
 caaacttgca agaaagtta agaagtaagg aatgaaaact gggtcaacat ggaaatgatt 660
 ttcattgatt cgtatgccag ctcacctttt tatgatctgc catttcaaag actcatgttt 720
 ctgctatgac catgacacga tttaaatctt ttcaaagtgt tttaggagta ttaatcaaca 780
 ttgtattcag ctcttaaggc actagtcctt tacagaggac catgctgact gatccattat 840
 ctattttaat atttttaaaa tattatttat ttaactattt ataaaaaac ttatttttgt 900
 tcatattatg tcatgtgcac ctttgcacag tgggttaatgt aataaaatgt gttctttgtg 960
 tttggtaaat ttatttttgt ttgttcattg aacttttgct atggaaactt tgtacttgtt 1020
 tattctttaa aatgaaattc caagccta atgtgcaacct gattacagaa taactggtac 1080
 acttcatttg tccatcaata ttatattcaa gatataagta aaaataaact ttctgtaaac 1140
 ca 1142

<210> 5
 <211> 757
 <212> DNA
 <213> Homo sapiens

<400> 5
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 tccatgagct acaacttgct tggattccta caaagaagca gcaattttca gtgtcagaag 120
 ctctgtggc aattgaatgg gaggcttgaa tattgcctca aggacaggat gaactttgac 180
 atccctgagg agattaagca gctgcagcag ttccagaagg aggacgccgc attgaccatc 240
 tatgagatgc tccagaacat ctttgctatt ttccagacaag attcatctag cactggctgg 300
 aatgagacta ttgttgagaa cctcctggct aatgtctatc atcagataaa ccatctgaag 360
 acagtccttg aagaaaaact ggagaaagaa gattttacca ggggaaaact catgagcagt 420
 ctgcacctga aaagatatga tgggaggatt ctgcattacc tgaaggccaa ggagtacagt 480
 cactgtgcct ggaccatagt cagagtggaa atcctaagga acttttactt cattaacaga 540
 cttacaggtt acctccgaaa ctgaagatct cctagcctgt ccctctggga ctggacaatt 600
 gcttcaagca ttcttcaacc agcagatgct gtttaagtga ctgatggcta atgtactgca 660
 aatgaaagga cactagaaga ttttgaaatt tttattaaat tatgagttat ttttatttat 720
 ttaaatttta ttttggaata taaattattt ttggtgc 757

<210> 6
 <211> 1193
 <212> DNA
 <213> Homo sapiens

<400> 6
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 acaagaacta ctgatttcaa cttctttggc ttaattctct cggaacgat gaaatataca 120
 agttatatct tggcttttca gctctgcac gttttgggtt ctcttggctg ttactgccag 180
 gacctatag taaaagaagc agaaaacctt aagaaatatt ttaatgcagg tcattcagat 240
 gtagcggata atggaaactct tttcttaggc attttgaaga attggaaaga ggagagtac 300
 agaaaaataa tgcagagcca aattgtctcc ttttacttca aactttttta aaacttttaa 360

gatgaccaga	gcatccaaaa	gagtgtggag	accatcaagg	aagacatgaa	tgtcaagttt	420
ttcaatagca	acaaaaagaa	acgagatgac	ttcgaaaagc	tgactaatta	ttcggtaact	480
gacttgaatg	tccaacgcaa	agcaatacat	gaactcatcc	aagtgatggc	tgaactgtcg	540
ccagcagcta	aaacagggaa	gcgaaaaagg	agtcagatgc	tgtttcaagg	tcgaagagca	600
ttccagtaat	ggttgtcctg	cctgcaatat	ttgaatttta	aatctaaatc	tatttattaa	660
tatttaacat	tatttatatg	gggaatatat	ttttagactc	atcaatcaaa	taagtattta	720
taatagcaac	ttttgtgtaa	tgaaaatgaa	tatctattaa	tatatgtatt	atttataatt	780
cctatatcct	gtgactgtct	cacttaatcc	tttgttttct	gactaattag	gcaaggctat	840
gtgattacaa	ggctttatct	caggggccaa	ctaggcagcc	aacctaagca	agatcccatg	900
ggttgtgtgt	ttatttcact	tgatgatata	atgaacactt	ataagtgaag	tgatactatc	960
cagttactgc	cggtttgaaa	atatgcctgc	aatctgagcc	agtgctttta	tggcatgtca	1020
gacagaactt	gaatgtgtca	ggtgaccctg	atgaaaacat	agcatctcag	gagatttcat	1080
gcctgggtgt	tccaaatatt	gttgacaact	gtgactgtac	ccaaatggaa	agtaactcat	1140
ttgtttaaatt	tatcaatatc	taatatatat	gaataaagtg	taagttcaca	act	1193